

Converting Colors

$Y_{xy}(45.3280, 0.2848, 0.3365)$

Have a look what the booklet for
Yxy(45.3280, 0.2848, 0.3365)
contains.

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Color

Yxy(45.1211, 0.2847, 0.3359)

Conversions

Conversions Part 1

Format	Color
Hex	93BBB6
RGB	147, 187, 182
RGB Percent	58%, 73%, 71%
CMY	0.4237, 0.2666, 0.2862
CMYK	0.21, 0.00, 0.03, 0.27
HSL	173°, 23%, 65%
HSV	173°, 21%, 73%
XYZ	38.2435, 45.1211, 50.9644
YIQ	174.4700, -22.2350, -10.0350

Conversions

Conversions Part 2

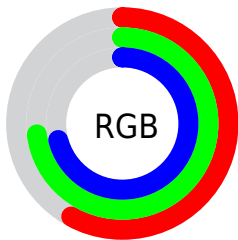
Format	Color
RYB	147, 168, 187
Decimal	9681846
CIELab	72.97, -14.37, -1.89
CIELCh	73, 14.494, 187.480
Yxy	45.1211, 0.2847, 0.3359
Android (android.graphics.Color)	4287871926 (0xFF93BBB6)
YUV	174.4700, 3.7123, -24.0912
Hunter-Lab	67.1722, -15.9253, 2.0365

Details

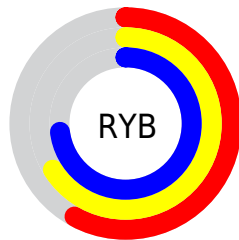
The Yxy color **45.1211, 0.2847, 0.3359** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.6869, 0.3500, 0.3223**, and the grayscale version is **42.5690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.8308, 0.2900, 0.3343**, and **21.0681, 0.2766, 0.3387** is the 20% darker color. If you saturate the color by 10%, you get **43.4375, 0.2730, 0.3396**, and if you desaturate by 10%, it is **47.0910, 0.2974, 0.3325**.

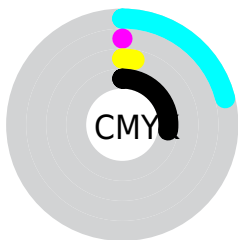
Distribution



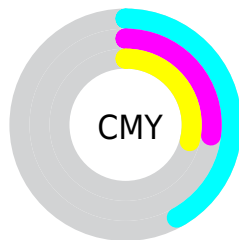
- Red (58%)
- Green (73%)
- Blue (71%)



- Red (58%)
- Yellow (66%)
- Blue (73%)



- Cyan (21%)
- Magenta (0%)
- Yellow (3%)
- Black (27%)





- Cyan (42%)
- Magenta (27%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1211, 0.2847, 0.3359 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 45.1211, 0.2847, 0.3359 by changing the saturation by 10% instead.


 45.1211, 0.2847,
0.3359

 45.1211, 0.2847,
0.3359


367.2638, 0.2987,
0.3325

 31.5528, 0.2812,
0.3367


 82.9021, 0.2898,
0.3347

 21.0202, 0.2767,
0.3378


 107.8836, 0.2917,
0.3342

 13.1387, 0.2707,
0.3391


137.4383, 0.2933,
0.3338

 7.5242, 0.2623,
0.3410

171.9507, 0.2947,
0.3335

 3.7920, 0.2498,
0.3436

211.8050, 0.2959,
0.3332

 1.5579, 0.2290,
0.3478

257.3857, 0.2970,

 0.3290, 0.0000,

0.3330

0.4016

309.0771, 0.2979,
0.3327

0.0000, 0.0000,
0.0000

45.1211, 0.2847,
0.3359

45.1211, 0.2847,
0.3359

43.4375, 0.2730,
0.3396

47.0910, 0.2974,
0.3325

42.0210, 0.2625,
0.3434

49.3544, 0.3108,
0.3294

40.8589, 0.2536,
0.3475

51.9249, 0.3246,
0.3266

39.9351, 0.2464,
0.3517

54.8138, 0.3386,
0.3241

39.2315, 0.2410,
0.3560

58.0317, 0.3526,
0.3219

■ 38.7277, 0.2376,
0.3604

■ 60.7896, 0.3629,
0.3198

■ 38.3993, 0.2360,
0.3647

■ 60.8964, 0.3609,
0.3174

■ 38.2161, 0.2357,
0.3683

■ 61.0048, 0.3589,
0.3150

■ 61.1148, 0.3570,
0.3126

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



45.1211, 0.3020, 0.3535



45.1211, 0.2847, 0.3359



45.1211, 0.2749, 0.3169

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



45.1211, 0.2847, 0.3359



45.1211, 0.3019, 0.2967



45.1211, 0.3519, 0.3546

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



45.1211, 0.2847, 0.3359



33.6869, 0.3500, 0.3223

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



45.1211, 0.3520, 0.3390



45.1211, 0.2847, 0.3359



45.1211, 0.3227, 0.3063

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



45.1211, 0.2847, 0.3359



45.1211, 0.2846, 0.2951



45.1211, 0.3412, 0.3215



45.1211, 0.3409, 0.3640

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



45.1211, 0.2847, 0.3359



45.1211, 0.2738, 0.3064



45.1211, 0.3412, 0.3215



45.1211, 0.3532, 0.3499

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



45.1230, 0.2847, 0.3359



86.4182, 0.3044, 0.3308



44.3548, 0.3144, 0.3869



18.9723, 0.3036, 0.3310



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45.1230, 0.2847, 0.3359



79.2330, 0.2787, 0.3377



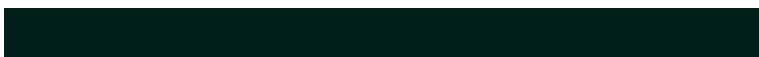
39.4170, 0.2798, 0.3080



10.7886, 0.3001, 0.3319



26.3355, 0.2355, 0.3678



1.0374, 0.2327, 0.3575

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



33.6869, 0.3500, 0.3223



54.8601, 0.3615, 0.3206



38.3877, 0.3512, 0.3491



9.5552, 0.3269, 0.3262



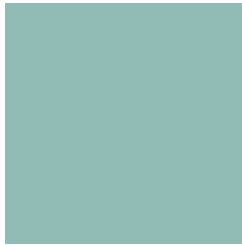
7.3286, 0.6225, 0.3203



0.2935, 0.5722, 0.2926

Previews

White Background



This preview shows how the Yxy color 45.1211, 0.2847, 0.3359 looks on a white background.

Color Contrast Check

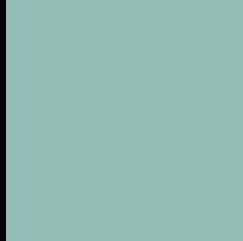
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 45.1211, 0.2847, 0.3359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

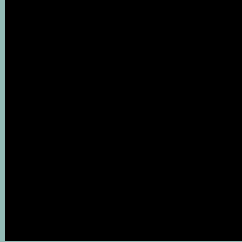
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

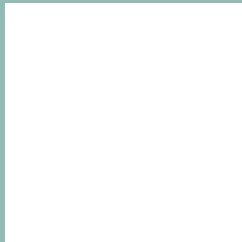
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 45.1211, 0.2847, 0.3359

Background



This preview shows how black text looks on a background with the Yxy color 45.1211, 0.2847, 0.3359.

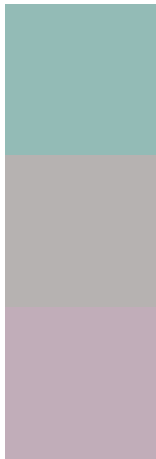


This preview shows how white text looks on a background with the Yxy color 45.1211, 0.2847, 0.3359.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

45.1211, 0.2847, 0.3359

Protanopia

44.9602, 0.3170, 0.3303

Deuteranopia

44.7274, 0.3206, 0.3138



Tritanopia

44.8885, 0.2751, 0.3085

Trichromacy



Original Color

45.1211, 0.2847, 0.3359

Protanomaly

44.7374, 0.3041, 0.3317

Deuteranomaly

44.5316, 0.3062, 0.3210

Tritanomaly

44.9377, 0.2785, 0.3179

Monochromacy



Original Color

45.1211, 0.2847, 0.3359

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

43.3070, 0.3015, 0.3317

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1211, 0.2847, 0.3359 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(147, 187, 182)` looks like.

```
.text, #text, p{  
    color:rgb(147, 187, 182)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(147, 187, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 187, 182) }
```

Border

The CSS property to change the border of an element to Yxy 45.1211, 0.2847, 0.3359 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(147, 187, 182) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(147, 187, 182) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(147, 187, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 187, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 187, 182);  
box-shadow:4px 4px 4px 4px rgb(147, 187,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 45.1211, 0.2847, 0.3359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 187, 182) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(147,  
187, 182) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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